

Title (en)

PROTEIN HYDROLYSATES AND METHOD OF MAKING

Title (de)

PROTEINHDROLYSATE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

HYDROLYSATS DE PROTEINES ET PROCEDE DE PRODUCTION

Publication

**EP 1973429 A4 20090617 (EN)**

Application

**EP 07716433 A 20070104**

Priority

- US 2007000420 W 20070104
- US 75645606 P 20060104

Abstract (en)

[origin: WO2007079458A2] Methods of making protein hydrolysates are described. The methods may include the steps of providing a solution comprising protein, and adjusting a pH of the solution to about 10.4 or more to form a basic protein solution. Additional steps may include adding a protease enzyme to the basic protein solution that converts at least a portion of the protein to protein hydrolysates. Protein hydrolysate compositions and water-soluble food additives are also described. The additives may include a mixture of protein hydrolysates formed by protein hydrolysis of a protein substrate. The protein hydrolysates may have an average molecular weight of about 2000 to about 10,000 Daltons.

IPC 8 full level

**A23J 3/34** (2006.01); **A23L 1/305** (2006.01); **A23L 13/00** (2016.01); **C12P 21/06** (2006.01)

CPC (source: EP KR US)

**A23G 1/44** (2013.01 - EP US); **A23G 3/44** (2013.01 - EP US); **A23G 9/38** (2013.01 - EP US); **A23J 3/34** (2013.01 - EP US); **A23L 33/18** (2016.07 - EP US); **C07K 1/00** (2013.01 - KR); **C12P 21/06** (2013.01 - EP KR US); **Y10S 530/832** (2013.01 - EP US); **Y10S 530/833** (2013.01 - EP US)

Citation (search report)

- [X] EP 0065663 A1 19821201 - MILES LAB [US]
- [X] US 4482574 A 19841113 - LEE CHANG R [US]
- [X] WO 2005089565 A1 20050929 - FUJI OIL CO LTD [JP], et al
- [X] WO 9304593 A1 19930318 - TEAGASC AGRIC FOOD DEV AUTHORI [IE]
- [X] KUMAR R ET AL: "Enzymatically modified Soy Protein: Part I. Thermal behaviour", JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, KLUWER ACADEMIC PUBLISHERS, DO, vol. 75, no. 3, 1 March 2004 (2004-03-01), pages 727 - 738, XP019254935, ISSN: 1572-8943
- See references of WO 2007079458A2

Cited by

CN107136295A; CH714189A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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DOCDB simple family (application)

**US 2007000420 W 20070104**; AR P070100040 A 20070104; AU 2007203745 A 20070104; CA 2635923 A 20070104; CN 200780006451 A 20070104; DK 07716433 T 20070104; EP 07716433 A 20070104; HK 09102560 A 20090318; JP 2008549596 A 20070104; JP 2012188527 A 20120829; KR 20087019149 A 20070104; NZ 56960307 A 20070104; US 61995707 A 20070104